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## Complete if Known

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/667,742- 10677742
Filing Date	October 01, 2003
First Named Inventor	Don Hannula
Art Unit	3765
Examiner Name	Worrell Jr. Larry D.
Attorney Docket Number	TYHC:0127/FLE/BAK (P0402S-01) (009103-019510US)

Sheet 1 of 10

## U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
	A1	US-	H1039	04-07-1992	Tripp Jr. et al.	
	A2	US-	RE 36,000	12-22-1998	Swedlow et al.	
	A3	US-	4,570,638	02-18-1986	Stoddart et al.	
	A4	US-	4,775,116	10-04-1998	Klein	
	A5	US-	4,784,162	11-15-1988	Ricks et al.	
	A6	US-	4,802,485	02-07-1989	Bowers et al.	
	A7	US-	4,825,872	05-02-1989	Tan et al.	
	A8	US-	4,825,879	05-02-1989	Tan et al.	
	A9	US-	4,838,279	06-13-1989	Fore	
	A10	US-	4,890,619	01-02-1990	Hatschek	
	A11	US-	4,930,888	06-05-1990	Feisleben et al.	
	A12	US-	4,942,877	07-24-1990	Sakai et al.	
	A13	US-	4,972,331	11-20-1990	Chance	
	A14	US-	4,996,975	03-05-1991	Nakamura	
	A15	US-	5,054,488	10-08-1991	Muz	
	A16	US-	5,080,096	01-14-1992	Hooper et al.	
	A17	US-	5,080,098	01-14-1992	Willett et al.	
	A18	US-	5,122,974	06-16-1992	Chance	
	A19	US-	5,125,403	06-30-1992	Culp	
	A20	US-	5,167,230	12-01-1992	Chance	
	A21	US-	5,188,108	02-23-1993	Secker	
	A22	US-	5,191,891	05-09-1993	Righter	
	A23	US-	5,209,230	05-11-1993	Swedlow et al.	
	A24	US-	5,214,409	05-25-1993	Beigel	
	A25	US-	5,217,012	06-08-1993	Young et al.	
	A26	US-	5,241,300	08-31-1993	Buschmann	
	A27	US-	5,246,003	09-21-1993	DeLonzor	
	A28	US-	5,253,645	10-19-1993	Friedman et al.	
	A29	US-	5,267,567	12-07-1993	Aung et al.	
	A30	US-	5,295,490	03-22-1994	Dodakian	
	A31	US-	5,313,940	05-24-1994	Fuse et al.	
	A32	US-	5,337,744	08-16-1994	Brianigan	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	<del>10667742</del> 10677742
				Filing Date	October 01, 2003
				First Named Inventor	Don Hannula
				Art Unit	3765
				Examiner Name	Worrell Jr. Larry D.
Sheet	2	of	10	Attorney Docket Number	TYHC:0127/FLE/BAK (P0402S-01) (009103-019510US)

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
	A33	US-	5,348,008	09-20-1994	Bornn et al.	
	A34	US-	5,353,798	10-11-1994	Sieben	
	A35	US-	5,354,979	10-11-1994	Adelson et al.	
	A36	US-	5,357,953	10-25-1994	Merrick et al.	
	A37	US-	5,368,025	11-29-1994	Young et al.	
	A38	US-	5,368,562	11-29-1994	Blomquist et al.	
	A39	US-	5,383,874	01-24-1995	Jackson et al.	
	A40	US-	5,398,689	03-21-1995	Conner et al.	
	A41	US-	5,400,267	03-21-1995	Denen et al.	
	A42	US-	5,405,269	04-11-1995	Stupecky	
	A43	US-	5,405,614	04-11-1995	D' Angelo et al.	
	A44	US-	5,413,099	05-09-1995	Schmidt et al.	
	A45	US-	5,413,102	05-09-1995	Schmidt et al.	
	A46	US-	5,415,166	05-16-1995	Imran	
	A47	US-	5,425,360	06-20-1995	Nelson	
	A48	US-	5,431,170	07-11-1995	Mathews	
	A49	US-	5,437,275	08-01-1995	Amundsen et al.	
	A50	US-	5,437,634	08-01-1995	Amano	
	A51	US-	5,444,254	08-22-1995	Thomson	
	A52	US-	5,451,763	09-19-1995	Pickett et al.	
	A53	US-	5,452,717	09-26-1995	Brianigan et al.	
	A54	US-	5,465,714	11-14-1995	Scheuing	
	A55	US-	5,469,845	11-28-1995	DeLonzor et al.	
	A56	US-	5,528,519	06-18-1996	Ohkura et al.	
	A57	US-	5,546,955	08-20-1996	Wilk	
	A58	US-	5,551,423	09-03-1996	Sugiura	
	A59	US-	5,562,718	10-08-1996	Palermo	
	A60	US-	5,564,108	10-08-1996	Hunsaker et al.	
	A61	US-	5,564,417	10-15-1996	Chance	
	A62	US-	5,584,296	12-17-1996	Cui et al.	
	A63	US-	5,592,408	01-07-1997	Keskin et al.	

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				Filing Date	October 01, 2003
				First Named Inventor	Don Hannula
				Art Unit	3765
				Examiner Name	Worrell Jr. Larry D.
Sheet	3	of	10	Attorney Docket Number	TYHC:0127/FLE/BAK (P0402S-01) (009103-019510US)

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
	A64	US-	5,596,987	01-28-1997	Chance	
	A65	US-	5,617,865	04-08-1997	Palczewska et al.	
	A66	US-	5,617,866	04-08-1997	Marian, Jr.	
	A67	US-	5,627,323	05-06-1997	Stern	
	A68	US-	5,634,466	06-03-1997	Gruner	
	A69	US-	5,638,593	06-17-1997	Gerhardt et al.	
	A70	US-	5,638,818	06-17-1997	Diab et al.	
	A71	US-	5,640,953	06-24-1997	Bishop et al.	
	A72	US-	5,645,440	07-18-1997	Tobler et al.	
	A73	US-	5,645,586	07-08-1997	Meltzer	
	A74	US-	5,646,416	07-08-1997	Van De Velde	
	A75	US-	5,671,750	09-30-1997	Shinoda	
	A76	US-	5,673,708	10-07-1997	Athanasious et al.	
	A77	US-	5,678,544	10-21-1997	DeLonzor et al.	
	A78	US-	5,681,285	10-28-1997	Ford et al.	
	A79	US-	5,683,434	11-04-1997	Archer	
	A80	US-	5,697,363	12-16-1997	Hart	
	A81	US-	5,701,894	12-30-1997	Cherry et al.	
	A82	US-	5,706,820	01-13-1998	Hossack et al.	
	A83	US-	5,738,612	04-14-1998	Tsuda	
	A84	US-	5,743,856	04-28-1998	Oka et al.	
	A85	US-	5,743,857	04-28-1998	Shinoda et al.	
	A86	US-	5,752,913	05-19-1998	Oka	
	A87	US-	5,752,920	05-19-1998	Ogura et al.	
	A88	US-	5,758,644	06-02-1998	Diab et al.	
	A89	US-	5,772,601	06-30-1998	Oka et al.	
	A90	US-	5,776,058	07-07-1998	Levinson et al.	
	A91	US-	5,776,071	07-07-1998	Inuaki et al.	
	A92	US-	5,779,631	07-14-1998	Chance	
	A93	US-	5,779,639	07-14-1998	Yeung	
	A94	US-	5,782,757	07-21-1998	Diab et al.	
	A95	US-	5,786,592	07-28-1998	Hök	
	A96	US-	5,791,347	08-11-1998	Flaherty et al.	

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	A97	US-	5,791,348	08-11-1998	Aung et al.	
	A98	US-	5,792,058	08-11-1998	Young et al.	
	A99	US-	5,797,841	08-25-1998	Delonzor et al.	
	A100	US-	5,810,724	09-22-1998	Gronvall	
	A101	US-	5,813,980	09-29-1998	Levinson et al.	
	A102	US-	5,823,952	10-20-1998	Levinson et al.	
	A103	US-	5,826,277	10-27-1998	McConville	
	A104	US-	5,830,136	11-03-1998	Delonzor et al.	
	A105	US-	5,830,148	11-03-1998	Inuaki et al.	
	A106	US-	5,830,149	11-03-1998	Oka et al.	
	A107	US-	5,833,602	11-10-1998	Osemwota	
	A108	US-	5,836,887	11-17-1998	Oka et al.	
	A109	US-	5,839,439	11-24-1998	Nierlich et al.	
	A110	US-	5,842,981	12-01-1998	Larsen et al.	
	A111	US-	5,842,982	12-01-1998	Mannheimer	
	A112	US-	5,851,179	12-22-1998	Ritson et al.	
	A113	US-	5,857,974	01-12-1999	Eberle et al.	
	A114	US-	5,860,932	01-19-1999	Goto et al.	
	A115	US-	5,860,957	01-19-1999	Jacobsen et al.	
	A116	US-	5,868,133	02-09-1999	DeVries et al.	
	A117	US-	5,870,626	02-09-1999	Lebeau	
	A118	US-	5,872,713	02-16-1999	Douglas et al.	
	A119	US-	5,873,821	02-23-1999	Chance et al.	
	A120	US-	5,891,021	04-06-1999	Dillon et al.	
	A121	US-	5,891,026	04-06-1999	Wang et al.	
	A122	US-	5,895,359	04-20-1999	Peel	
	A123	US-	5,906,581	05-25-1999	Tsuda	
	A124	US-	5,913,819	06-22-1999	Taylor et al.	
	A125	US-	5,919,133	07-06-1999	Taylor et al.	
	A126	US-	5,931,790	08-03-1999	Peel	
	A127	US-	5,931,791	08-03-1999	Saltzstein et al.	

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				Art Unit	3765
				Examiner Name	Worrell Jr. Larry D.
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	A129	US-	5,936,539	08-10-1999	Fuchs	
	A130	US-	5,947,905	09-07-1999	Hadjicostis et al.	
	A131	US-	5,954,053	09-21-1999	Chance et al.	
	A132	US-	5,957,850	09-28-1999	Marian, Jr. et al.	
	A133	US-	5,964,701	10-12-1999	Asada et al.	
	A134	US-	5,980,464	11-09-1999	Tsuda	
	A135	US-	5,983,129	11-09-1999	Cowan et al.	
	A136	US-	5,987,343	11-16-1999	Kinast	
	A137	US-	5,987,351	11-16-1999	Chance	
	A138	US-	5,991,648	11-23-1999	Levin	
	A139	US-	5,995,077	11-30-1999	Wilcox et al.	
	A140	US-	5,995,855	11-30-1999	Kiani et al.	
	A141	US-	5,995,856	11-30-1999	Mannheimer et al.	
	A142	US-	5,995,857	11-30-1999	Toomim et al.	
	A143	US-	6,007,492	12-28-1999	Goto et al.	
	A144	US-	6,011,986	01-04-2000	Diab et al.	
	A145	US-	6,022,320	02-08-2000	Ogura et al.	
	A146	US-	6,027,453	02-22-2000	Miwa et al.	
	A147	US-	6,030,351	02-29-2000	Schmidt et al.	
	A148	US-	6,031,603	02-29-2000	Fine et al.	
	A149	US-	6,036,651	03-14-2000	Inuaki et al.	
	A150	US-	6,041,247	03-21-2000	Weckstrom et al.	
	A160	US-	6,047,201	04-04-2000	Jackson	
	A161	US-	6,047,203	04-04-2000	Sackner et al.	
	A162	US-	6,049,958	04-18-2000	Eberle et al.	
	A163	US-	6,050,951	04-18-2000	Friedman et al.	
	A164	US-	6,052,619	04-18-2000	John	
	A165	US-	6,073,038	06-06-2000	Wang et al.	
	A166	US-	6,084,380	07-04-2000	Burton	
	A167	US-	6,085,752	07-11-2000	Kehr et al.	
	A168	US-	6,088,607	07-11-2000	Diab et al.	
	A169	US-	6,106,780	08-22-2000	Douglas et al.	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10667,742 <del>10667,742</del> 10677742
				Filing Date	October 01, 2003
				First Named Inventor	Don Hannula
				Art Unit	3765
				Examiner Name	Worrell Jr. Larry D.
Sheet	6	of	10	Attorney Docket Number	TYHC:0127/FLE/BAK (P0402S-01) (009103-019510US)

## U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)				
	A170	US-	6,112,107	08-29-2000	Hannula	
	A171	US-	6,115,621	09-05-2000	Chin	
	A172	US-	6,118,382	09-12-2000	Hibbs et al.	
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	A174	US-	6,144,868	11-07-2000	Parker	
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	A176	US-	6,152,754	11-28-2000	Gerhardt et al.	
	A177	US-	6,154,667	11-28-2000	Miura et al.	
	A178	US-	6,162,188	12-19-2000	Barnea	
	A179	US-	6,165,173	12-26-2000	Kamdar et al.	
	A180	US-	6,171,258	01-09-2001	Katakasoglu et al.	
	A181	US-	6,173,196	01-09-2001	Delonzor et al.	
	A182	US-	6,179,786	01-30-2001	Young	
	A183	US-	6,184,521	02-06-2001	Coffin, IV et al.	
	A184	US-	6,186,953	02-13-2001	Narimatsu	
	A185	US-	6,186,954	02-13-2001	Narimatsu	
	A186	US-	6,190,325	02-20-2001	Narimatsu	
	A187	US-	6,196,974	03-06-2001	Miwa	
	A188	US-	6,198,952	03-06-2001	Miesel	
	A189	US-	6,199,550	03-13-2001	Wiesmann et al.	
	A190	US-	6,209,144	04-03-2001	Carter	
	A191	US-	6,223,063	04-24-2001	Chaiken et al.	
	A192	US-	6,241,680	06-05-2001	Miwa	
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	A194	US-	6,251,076	06-26-2001	Hovland et al.	
	A195	US-	6,251,080	06-26-2001	Henkin et al.	
	A196	US-	6,251,081	06-21-2001	Narimatsu	
	A197	US-	6,251,113	06-26-2001	Appelbaum et al.	
	A198	US-	6,256,523	07-03-2001	Diab et al.	
	A199	US-	6,263,221	07-17-2001	Chance et al.	

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				Application Number	<del>10667742</del> 10677742	
				Filing Date	October 01, 2003	
				First Named Inventor	Don Hannula	
				Art Unit	3765	
				Examiner Name	Worrell Jr. Larry D.	
Sheet	7	of	10	Attorney Docket Number		TYHC:0127/FLE/BAK (P0402S-01) (009103-019510US)

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		Number-Kind Code <sup>2</sup> (if known)				
	A200	US-	6,280,213	08-21-2001	Tobler et al.	
	A201	US-	6,282,450	08-28-2001	Hartlaub et al.	
	A202	US-	6,283,922	09-04-2001	Goto et al.	
	A203	US-	6,285,895	09-04-2001	Ristolainen et al.	
	A204	US-	6,306,076	10-23-2001	Gill	
	A205	US-	6,308,089	10-23-2001	von der Ruhr et al.	
	A206	US-	6,321,100	11-20-2001	Parker	
	A207	US-	6,322,516	11-27-2001	Masuda et al.	
	A208	US-	6,343,223	01-29-2002	Chin et al.	
	A209	US-	6,343,224	01-29-2002	Parker	
	A210	US-	6,346,886	02-12-2002	De La Huerga	
	A211	US-	6,349,228	02-09-2002	Kiani et al.	
	A212	US-	6,356,774	03-12-2002	Bernstein et al.	
	A213	US-	6,362,622	03-26-2002	Stauber et al.	
	A214	US-	6,368,282	04-09-2002	Oka et al.	
	A215	US-	6,370,411	04-09-2002	Osadchy et al.	
	A216	US-	6,377,829	04-23-2002	Al-Ali	
	A217	US-	6,381,481	04-30-2002	Levendowski et al.	
	A218	US-	6,385,486	05-07-2002	John et al.	
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	A220	US-	6,387,092	05-14-2002	Burnside et al.	
	A221	US-	6,388,240	05-14-2002	Schulz et al.	
	A222	US-	6,397,091	05-28-2002	Diab et al.	
	A223	US-	6,405,075	06-11-2002	Levin	
	A224	US-	6,416,471	07-09-2002	Kumar et al.	
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	A227	US-	6,423,010	07-23-2002	Friedman et al.	
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	A229	US-	6,432,050	08-13-2002	Porat et al.	
	A230	US-	6,450,168	09-17-2002	Nguyen	
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				Application Number	<del>10/667,742</del> 10677742
				Filing Date	October 01, 2003
				First Named Inventor	Don Hannula
				Art Unit	3765
				Examiner Name	Worrell Jr. Larry D.
Sheet	8	of	10	Attorney Docket Number	TYHC:0127/FLE/BAK (P0402S-01) (009103-019510US)

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A232	US- 6,450,981	09-17-2002	Shabty et al.	
	A233	US- 6,454,708	09-24-2002	Ferguson et al.	
	A234	US- 2001/0000790	05-03-2001	DeLonzor et al.	
	A235	US- 2001/0009398	07-26-2001	Sekura et al.	
	A236	US- 2002/0013538	01-31-2002	Teller	
	A237	US- 2002/0042558	04-11-2002	Mendelson	
	A238	US- 2002/0052539	05-02-2002	Haller et al.	
	A239	US- 2002/0084904	07-04-2002	De La Hueraga	
	A240	US- 2002/0091335	07-11-2002	John et al.	
	A241	US- 2002/0095092	07-18-2002	Kondo et al.	
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	B1	CN1306260	08-01-2001	Weigang et al.		
	B2	DE 10029205	01-10-2002	IFU GMBH		
	B3	DE 19939302	05-03-2001	Kaeuffert UWE		
	B4	DE 19541605	05-15-1997	Hewlett-Packard Co.		
	B5	DE 3705493	08-04-1988	Guenter et al.		
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	B8	DE 3927038	02-21-1991	Juergen		
	B9	DE 4429845	10-19-1995	Hewlett Packard		
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	B13	EP 578530	01-12-1994	Ela Medical		

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Sheet	9	of	10	Attorney Docket Number		TYHC:0127/FLE/BAK (P0402S-01) (009103-019510US)

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	B14	EP 665025	08-02-1995	Amano		
	B15	EP 775311	08-18-1994	Roche Diagnostics		
	B16	EP 0313238	04-26-1989	Critikon Inc.		
	B17	EP 0572684	12-08-1993	Hewlett-Packard Co.		
	B18	EP 0573137	12-08-1993	Alza Corporation		
	B19	EP 0695139	02-06-1996	Boesch et al.		
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	B23	EP 338518	10-25-1989	Draegerwerk		
	B24	EP 463620	01-02-1992	Jan		
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	B26	EP 580385	01-26-1994	Archibald et al.		
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	B31	GB 2135074	08-22-1984	Duke University		
	B32	JP 04057161	02-24-1992	Sanyo Electric		
	B33	JP 07336597	12-22-1995	Hitachi Medical		
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	B35	JP 10314149	12-02-1998	Casio Computer		
	B36	JP 11259583	09-24-1999	Tosho		
	B37	JP 08111295	04-30-1996	Hitachi Medical		
	B38	JP 08112257	05-07-1996	Nikon Corporation		
	B39	JP 08336546	12-24-1996	Morita MFG		
	B40	JP 09010319	01-14-1997	Brother IND		
	B41	JP 2000/189440	07-11-2000	Tokai Rika		
	B42	JP 2001/161648	06-19-2001	Olympus Optical		
	B43	JP 2001/190498	07-17-2001	Olympus Optical		
	B44	JP 2001/308576	11-02-2001	Olympus Optical		
	B45	JP 2001/332832	11-30-2001	Olympus Optical		

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				Filing Date	October 01, 2003	
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				Art Unit	3765	
				Examiner Name	Worrell Jr. Larry D.	
Sheet	10	of	10	Attorney Docket Number		TYHC:0127/FLE/BAK (P0402S-01) (009103-019510US)

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	B46	JP 2001/346775	12-18-2001	Marconi Medical		
	B47	JP 2002/065647	03-05-2002	Masimo Corporation		
	B48	JP 55024614	02-21-1980	Hitachi Metals		
	B49	RU 2132204	06-27-1999	Konoplev et al.		
	B50	WO 2001/01855	01-11-2001	Georiga Tech		
	B51	WO 2001/17425	03-15-2001	Tensys Medical		
	B52	WO 2001/87224	11-22-2001	Illyes		
	B53	WO 2002/15784	02-28-2002	Platt et al.		
	B54	WO 2002/65901	08-29-2002	Ares Medical		
	B55	WO 95/06430	03-09-1995	Boehringer Mannheim		
	B56	WO 2000/78209	12-28-2000	Masimo Corporation		
	B57	WO 2066977	08-29-2002	Masimo Corporation		
	B58	WO 9115151	10-17-1991	Nellcor Incorporated		
	B59	WO 9118550	12-12-1991	Mathews		
	B60	WO 9220273	11-26-1992	Chance		
	B61	WO 9615714	05-30-1996	Austel Licensing		
	B62	WO 9616591	06-06-1996	Aihonen et al.		
	B63	WO 9641138	12-19-1996	Masimo Corporation		
	B64	WO 9720494	06-12-1997	Non-Invasive Technology		
	B65	WO 9720497	06-12-1997	Nellcor Incorporated		
	B66	WO 9963883	12-16-1999	Sarussi		
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